

## State Water Resources Control Board

### UST CASE CLOSURE REVIEW SUMMARY REPORT

#### Agency Information

Agency Name: Central Valley Regional Water Quality Control Board (Regional Water Board)	Address: 11020 Sun Center Drive, #200 Rancho Cordova, CA 95670
Agency Caseworker: Glenn Meeks	Case No.: 24244

#### Case Information

USTCF Claim No.: 7315	GeoTracker Global ID: T0604796645
Site Name: Former Souza's Milk Transportation Co.	Site Address: 474 5 <sup>th</sup> Street Gustine, CA 95322
Responsible Party 1: Manual Betelho Souza Jr.	Address: Abandoned Site, no known address
Responsible Party 2: Fresno Truck Center Attn: Brian Nicholson	Address: 2727 E. Central Avenue Fresno, CA 93725
USTCF Expenditures to Date: \$40,815	Number of Years Case Open: 15

URL: [http://geotracker.waterboards.ca.gov/profile\\_report.asp?global\\_id=T0604796645](http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0604796645)

#### Summary

The Low-Threat Underground Storage Tank (UST) Case Closure Policy (Policy) contains general and media-specific criteria, and cases that meet those criteria are appropriate for closure pursuant to the Policy. This case meets all of the required criteria of the Policy. Highlights of the case follow:

The Site is a former commercial trucking facility that is currently vacant. A total of six USTs were removed two diesel USTs 1989, and one gasoline UST 1991. An unauthorized release was reported in June 1999 following the removal of three additional USTs (two diesel, one waste oil) in April 1999. Since 1990, four groundwater monitoring wells have been installed and monitored; no data have been collected since 2005. According to groundwater data, water quality objectives have been achieved or nearly achieved for all constituents.

The petroleum release is limited to the soil and shallow groundwater. According to data available in GeoTracker, there are no supply wells or surface water bodies within 250 feet of the defined plume boundary. No other water supply wells have been identified within 250 feet of the defined plume boundary in files reviewed. The case is located within the service area of public water supply, as defined by the Policy. The affected groundwater is not currently being used as a source of drinking water, and it is highly unlikely that the affected groundwater will be used as a source of drinking water in the foreseeable future. Other designated beneficial uses of impacted groundwater are not threatened, and it is highly unlikely that they will be, considering these factors in the context of the site setting. Remaining petroleum hydrocarbon constituents are limited, stable and concentrations decreasing. Corrective actions are not necessary to protect public health or the environment. Any remaining petroleum hydrocarbon constituents do not pose a significant risk to human health, safety or the environment.

FELICIA MARCUS, CHAIR | THOMAS HOWARD, EXECUTIVE DIRECTOR

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**Rationale for Closure under the Policy**

- General Criteria: The case meets all eight Policy general criteria.
- Groundwater Specific Criteria: The case meets Policy Criterion 1 by Class 1. The contaminant plume that exceeds water quality objectives is less than 100 feet in length. There is no free product. The nearest water supply well or surface water body is greater than 250 feet from the defined plume boundary.
- Vapor Intrusion to Indoor Air: The case meets Policy Criterion 2a by Scenario 3a. The maximum benzene concentration in groundwater is less than 100 µg/L. The minimum depth to groundwater is greater than 5 feet, overlain by soil containing less than 100 mg/kg of TPH.
- Direct Contact and Outdoor Air Exposure: The case meets Policy Criterion 3a. Maximum concentrations in soil are less than those in Policy Table 1 for Commercial/Industrial use, and the concentration limits for a Utility Worker are not exceeded. There are no soil sample results in the case record for naphthalene. However, the relative concentration of naphthalene in soil can be conservatively estimated using the published relative concentrations of naphthalene and benzene in gasoline. Taken from Potter and Simmons (1998), gasoline mixtures contain approximately 2 percent benzene and 0.25 percent naphthalene. Therefore, benzene can be directly substituted for naphthalene concentrations with a safety factor of eight. Benzene concentrations from the Site are below the naphthalene thresholds in Policy Table 1. Therefore, the estimated naphthalene concentrations meet the thresholds in Table 1 of the Policy criteria for direct contact by a factor of eight. It is highly unlikely that naphthalene concentrations in the soil, if any, exceed the threshold.

**Determination**

Based on the review performed in accordance with Health & Safety Code Section 25299.39.2 subdivision (a), the Fund Manager has determined that closure of the case is appropriate.

**Recommendation for Closure**

Based on available information, residual petroleum hydrocarbons at the Site do not pose a significant risk to human health, safety, or the environment, and the case meets the requirements of the Policy. The Fund Manager recommends that the case be closed. The State Water Board is conducting public notification as required by the Policy. Merced County has the regulatory permitting responsibility for the abandonment of monitoring wells.

  
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Lisa Babcock, P.G. 3939, C.E.G. 1235

  
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Date

Prepared by: Kirk Larson, P.G.